

AEROSIL® R 7200

Hydrophobic fumed silica

Characteristic physico-chemical data

| Properties and test methods | Unit | Value |
|---|-------------------|-------------|
| Specific surface area (BET) | m ² /g | 125 - 175 |
| pH value in 4% Dispersion | | 4.0 - 6.0 |
| Loss on drying* 2 hours at 105 °C | % | ≤ 1.5 |
| C content | % | 4.5 - 6.5 |
| Tamped density* modified | g/l | approx. 230 |
| SiO ₂ content based on ignited material | % | ≥ 99.8 |
| * ex plant The data represents typical values (no product specification) | | |

Registrations (substance or product components)

AEROSIL® R 7200

| | |
|---|--------------|
| CAS-No. | 100 402-78-6 |
| REACH (Europa) | registered |
| TSCA (USA) | registered |
| ENCS (Japan) IECSC (China) KECI (Korea) CSNN (Taiwan) PICCS (Philippines) | registered |
| AICS (Australia) | registered |

AEROSIL® R 7200 is a structure-modified fumed silica aftertreated with methacrylsilane to ensure high filler loading.

Applications and properties

Properties

- Low thickening effect
- Possible to incorporate up to 20 weight-% using the usual dispersion technology (such as bead mill)
- Acts as an active filler in acrylate systems
- As a filler it can increase the scratch resistance of paint and coating systems (such as UV-curing) and printing inks
- As a filler it improves the mechanical properties, such as the hardness of plastics

Applications

- Methacrylate-functionalized reinforcing additive with cross-linking option for polymers, composite materials, printing inks, and acrylate-based coatings
- To improve the mechanical stability of acrylate systems, such as resistance to abrasion or scratches

Packaging and storage

AEROSIL® R 7200 is supplied in multiple layer 15 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROSIL® R 7200 should be used within 2 years after production.

Safety and handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Resource Efficiency GmbH, Product Safety Department, E-MAIL sds-hu@evonik.com or can be downloaded from our homepage www.aerosil.com. We recommend to read carefully the safety data sheet prior to the use of our product.

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